



Concentrator Talk - October 13, 2022

#	Topic	Video Link
1	Introduction and Welcome	Link
2	I just started working as a technician. I have observed that during servicing of the oxygen concentrators, zeolite is refilled in both of the zeolite molecular sieve beds. If there isn't enough zeolite to fill two sieve beds for a concentrator, can you merely fill one with zeolite?	Link
3	Hello, I am a technician at a certain District Hospital. I am aware that all concentrators have oxygen sensors installed in them. Why is it necessary to test an oxygen concentrator with an analyzer again when they already have inbuilt oxygen sensors?	Link
4	What are some of the safety tips one should consider before starting to work on Oxygen concentrators and also during Oxygen concentrator repairs?	Link
5	I am a biomedical intern at a certain hospital and I am currently working on the DeVilbiss 525 concentrator. This concentrator was brought to the workshop because it was found to be producing low oxygen purity during last week's concentrator assessment in the wards. When I removed the covers of the concentrator I noticed that the rotary valve was not rotating. What troubleshooting steps should I take to ascertain if the rotary valve is faulty?	Link
6	I'm a biomedical technician working on a DeVilbiss oxygen concentrator circuit. After a series of troubleshooting endeavors, I have found out that the fuse on the control board is blown. This fuse is rated 80mA, but I only have a 100mA fuse in the workshop. Can I replace the blown fuse with a 100mA fuse?	Link
7	During last week's concentrator talk, there was mention of carrying out a pressure test after refilling sieve beds before putting them back into the oxygen concentrator. I wanted to know how to carry out the pressure test, the necessary steps and the tools that are needed.	Link
8	Power Protective Measures for Oxygen Concentrators	Link
9	Pressure regulators in oxygen concentrators are always pre-set by the manufacturer to a certain value. Why is it that in some cases the pressure at the patient outlet changes, even if everything has been serviced and we have to reset the pressure regulator ? What causes this change in outlet pressure of the pressure regulator ?	Link